



California's Health

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GOVERNOR NAMES STUDY COMMITTEE ON MEDICAL AID AND HEALTH

Governor Edmund G. Brown last week expressed deep concern for the health of California citizens as he named a 17-member Governor's Committee on the Study of Medical Aid and Health.

He asked the committee to "investigate the present provision of health services and their cost, outline a long-range health program and recommend any immediate specific action, including legislation, which would help bring about higher standards of medical and health care for all Californians."

The committee is comprised of top medical leaders, state health and welfare officials, and others concerned with health problems.

Governor Brown asked the group to make a "comprehensive study" of both care provided by government and that provided under private auspices.

Problems Cited

He listed these specific problems: how to expand medical and nursing schools; how to improve the quality and quantity of hospital care; the working out of better and wider health insurance coverage to cope with rising costs of medical and dental care; and the provision of better health protection for the aged, with special attention to methods of financing.

"Recent decades have brought reassuring and sometimes dramatic

The Governor's Office issued this news release for the week of December 7, 1959. Because of its significance to public health, it is given here in its entirety.

achievements in solving the health problems of our people," Governor Brown said, "but we find that in the midst of achievement, many major problems remain, some of them intensified by the very fact of progress.

"Some segments of the population do not now share in the amazing new benefits which medical science can offer," he said, citing migratory workers and the aged who have chronic diseases as examples.

"It is essential that an informed, objective committee review what is being done and make recommendations for improvement," Governor Brown declared.

"Because of the close relationship between what the government is doing in the health field and what is being done by professional organizations, insurance and other private agencies, the study must cover the entire field of health needs, resources and services."

Members Appointed

He named Dr. Roger O. Egeberg, medical director of Los Angeles

County Department of Charities, chairman of the committee.

Others named are Dr. T. Eric Reynolds, Piedmont, president, California Medical Association; Dr. Paul D. Foster, San Marino, president-elect of CMA; Dr. Nicholas V. Oddo, Long Beach, president, California Osteopathic Association.

John E. Smits, Glendale, administrator, Los Angeles Children's Hospital; Harry Pollard, Berkeley, labor economist; J. Paul St. Sure, Piedmont, President, Pacific Maritime Association; H. Charles Abbott, Northridge, Chairman, Blue Cross Commission.

Mrs. Ernest Lilienthal, San Francisco, Consumer Representative; Jack E. A. Stumpf, San Bernardino, Executive Director, San Bernardino Community Services; Stephen I. Zetterberg, Pomona attorney and member of the State Board of Health.

Dr. Joseph B. Platt, President, Harvey Mudd College, Claremont; State Senator Hugo Fisher, San Diego; Assemblyman Ron Cameron, Whittier.

Ex-Officio Members

Ex-officio members are Dr. Malcolm H. Merrill, State Director of Public Health; Dr. Daniel Blain, State Director of Mental Hygiene; and John Wedemeyer, State Director of Social Welfare.

Annual Directory of California Local Health Jurisdictions and Health Officers

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Air Quality and Motor Exhaust Standards Adopted by Board

At their meeting in Berkeley on December 4, the State Board of Public Health adopted the standards for air quality and motor vehicle exhaust drafted by the State Department of Public Health to combat air pollution in California.

Legislative Mandate

The 1959 Legislature issued a mandate to the State Department of Public Health to draft statewide standards for air cleanliness and motor vehicle exhaust emission for submission to the State Board of Public Health and, after board adoption, for submission to the Governor and the Legislature before February 1, 1960.

The air quality standards of motor vehicle exhaust standards now set represent the first effort in the nation to attack the air pollution problem by setting allowable concentrations of pollutants for control action and the first effort to set standards for pollutants emitted from motor vehicle exhaust.

The air quality standards reflect the relationship between the intensity and composition of air pollution and the health and comfort of human beings, as well as the damage to vegetation and the interference with visibility.

Air Pollution Levels

In order to reflect this relationship the State Department of Public Health has designated three levels of air pollution conditions. The levels are:

Pollutant	"Adverse" level	"Serious" level	"Emergency" level
	Level at which there will be sensory irritation, damage to vegetation, reduction in visibility or similar effects.	Level at which will be alteration of bodily function or which is likely to lead to chronic disease.	Level at which it is likely that acute sickness or death in sensitive groups or persons will occur.
Oxidant	Oxidant index 0.15 part per million for 1 hour by the potassium iodide method.	-----	-----
Sulfur dioxide	1 ppm for 1 hour, or 0.3 ppm for 8 hours.	5 ppm for 1 hour.	10 ppm for 1 hour.
Carbon monoxide	-----	30 ppm for 8 hours or 120 ppm for 1 hour.	-----
Particulates	Sufficient to reduce visibility to less than 3 miles in the absence of fog.	-----	-----

In addition to the elements cited above, sulfuric acid, ozone, ethylene, nitrogen dioxide, lead, and other substances will be added to the standards after their effects upon health, vegetation, and visibility have been determined.

Motor Vehicle Exhaust Standards

The motor vehicle exhaust standards are based on the air quality standards. They were arrived at by taking into consideration the existing air quality in Los Angeles County and the estimated emission from motor vehicles in that county by 1970. The exhaust standards would limit the emission of hydrocarbons to 275 parts per million by volume and the emission of carbon monoxide to 1.5 percent by volume. For motor vehicles to come within these limits would require a reduction of 80 percent in the emission of hydrocarbons and a 60 percent reduction in the emission of carbon monoxide.

Governor Brown stressed, in a statement issued from his office, that the statewide standards for air quality and for motor vehicle exhaust "are not a panacea for California's complex air pollution problem. They do represent, however, an initial effort to approach the problem on a sound and scientific basis."

The first X-ray photograph was made January 12, 1896, by Dr. Henry Louis Smith, professor of physics at Davidson College, Davidson, N. C., who fired a bullet into the hand of a corpse, took a 15-minute exposure picture which showed the exact location of the bullet.—*New York State Department of Health Bulletin*, Vol. 12, No. 8.

an outbreak of animal rabies. No human cases have occurred, but 56 persons who have been exposed are receiving, or have recently received, anti-rabies vaccine. The county is under rabies quarantine.

Since early September there have been 69 clinically diagnosed cases of rabies in animals, 19 of which have been proved in laboratory tests. This is in sharp contrast with last year when Imperial County had only two cases of animal rabies. From 1954 through 1957 there were no cases of rabies in that county.

Baja California, immediately across the border from Imperial County, is experiencing a similar upsurge of animal rabies, and authorities are taking active control measures.

Working under the direction of Dr. H. J. Hebert, Imperial County health officer, in the rabies control program are: Dr. Byron O. Mork, medical coordinator for Region III, Southern California; a medical officer, a veterinarian, a health educator, vector control specialists, and sanitarians.

In addition, the department's Viral and Rickettsial Disease Laboratory in Berkeley has been assisting the local health department in examining animal tissue microscopically and performing animal inoculations for presence of the rabies virus.

State-Local Health Educators Hold Biennial Institute

Modern mental health concepts and their application in public health education was the topic of the biennial institute for state and local health educators held November 12-14 in Berkeley. The keynote address was given by Dr. Nevitt Sanford, professor of psychology, University of California, who spoke on "the Development of the Healthy Personality in the Society of Today." This and other papers presented at the conference will appear in later issues of *California's Health*.

In addition to 33 local and 12 state health educators attending the sessions, there was participation from the State Department of Mental Hygiene, the State Department of Education, University of California School of Public Health, the California Association for Health and Welfare, and several local health departments.

Imperial County Health Department Offered Help in Rabies Control

Members of the staff of the State Department of Public Health are in Imperial County to provide whatever assistance is needed in the control of

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Hull, Roswell L.-----San Benito

Husband, Myron W.-----Monterey

Kroeger, C. R.-----Mendocino

Malcolm, James C.-----Alameda

Matthis, Austin W.-----Madera

McKnight, William B.-----Plumas

McLean, Lester S.-----Humboldt-Del Norte

Mello, Henry G.-----Solano

Murphy, Paul L. (pro tem)-----Kings

Nardo, Joseph T.-----Santa Barbara

Raitt, Albert E.-----Colusa

Richardson, Clark M.-----Tulare

Russell, Edward Lee-----Orange

Sox, Ellis D.-----San Francisco

Stone, Everett M.-----Riverside

Swartout, Hubert O.-----San Luis Obispo

Swift, Leon M.-----Sutter-Yuba

Taves, Donald R.-----Shasta

Turner, W. Elwyn-----Santa Clara

Westphal, Robert S.-----Stanislaus

White, Richard-----Placer

Williams, Jack J.-----San Joaquin

Zinnamon, Burton L.-----Sonoma

Full-time City Jurisdictions—7

Bissell, Dwight M.-----San Jose
(Santa Clara)

**Methods in Air Pollution Studies
To be Conference Subject**

The third conference on methods of measurement of air pollutants will be held at the California State Department of Public Health headquarters in Berkeley on January 21-22, 1960. The meeting has been arranged by the department's Air and Industrial Hygiene Laboratory for the exchange of information among technical staffs engaged in air pollution studies in the State. Participants from local health departments, air pollution control districts, the universities and other organizations will present recent work on analytical methods and field studies of air pollution.

REPORTED CASES OF SELECTED NOTIFIABLE DISEASES CALIFORNIA, MONTH OF NOVEMBER 1959

Disease ¹	Cases reported this month			Total cases reported to date		
	1959	1958	1957	1959	1958	1957
Series A						
Amebiasis	26	34	152	552	949	1,933
Coccidioidomycosis	24	21	14	265	196	172
Measles	516	857	476	40,267	34,820	53,013
Meningococcal infections	8	9	21	176	172	169
Mumps	1,213	996	906	12,096	16,207	18,455
Pertussis	155	199	159	2,308	3,641	2,585
Rheumatic fever	12	15	6	134	132	126
Salmonellosis	86	150	71	1,062	1,038	1,467
Shigellosis	199	225	277	1,934	1,809	1,743
Streptococcal infections, respiratory	2,884	1,416	483	22,361	13,261	7,403
Trachoma	2	13	--	25	19	81
Series B						
Chancroid	9	5	9	76	82	61
Conjunctivitis, acute newborn	1	1	1	8	19	5
Gonococcal infections	1,283	1,433	841	15,421	16,039	14,603
Granuloma inguinale	--	--	--	2	8	7
Lymphogranuloma venereum	3	1	1	18	29	18
Syphilis, total	459*	493	335	6,130*	5,677	5,504
Primary and secondary	65	81	32	935	587	432
Series C						
Anthrax	--	--	--	--	--	1
Brucellosis	1	5	3	14	37	44
Diarrhea of the newborn	7	2	7	62	21	49
Diphtheria	--	--	1	6	6	9
Encephalitis	35	22	26	391	522	508
Food poisoning (exclude botulism)	157	70	134	1,502	1,011	1,223
Hepatitis, infectious	226	158	81	2,380	1,815	1,699
Hepatitis, serum	12	6	8	91	103	93
Leprosy	1	1	--	16	13	13
Leptospirosis	1	1	4	4	3	5
Malaria	1	1	5	25	22	38
Meningitis, viral or aseptic	58	118	na	805	918	na
Polio myelitis, total	65	47	30	457	306	644
Paralytic	54	42	24	387	232	274
Nonparalytic	11	5	6	70	74	370
Psittacosis	1	2	3	15	18	28
Q fever	2	--	--	61	35	39
Rabies, animal	22	8	12	134	154	174
Rabies, human	--	1	--	1	1	1
Rocky mountain spotted fever	--	--	--	3	--	--
Tetanus	2	3	3	40	42	30
Trichinosis	--	--	1	7	5	8
Tularemia	--	--	--	4	4	2
Typhoid fever	3	21	6	70	82	77
Typhus fever (endemic)	--	--	--	3	3	9
Other ² —Botulism	1	--	--	3	1	2
Relapsing fever	--	--	--	3	--	3
Plague	--	--	--	2	--	--
Series D						
Epilepsy	263	345	137	3,668	3,786	2,730
Tuberculosis ³	--	--	--	4,749	5,365	5,762

¹ Diseases are grouped in Series A, B, C and D to simplify processing in the local health departments. The details of this classification are given in the "Handbook of Morbidity Reporting Procedures and Epidemiologic Follow-up for Local Health Departments—1958 Revision."

² These spaces will be used for any of the following rare diseases if reported: botulism, cholera, dengue, plague, relapsing fever, smallpox, typhus epidemic, yellow fever.

³ Tuberculosis cases are corrected to exclude out-of-state residents and changes in diagnosis.

⁴ Excludes 39 cases found positive by special serologic survey (Mexican National farm workers at Border Reception Center, El Centro).

⁵ Excludes 4,218 cases found positive by special serologic survey (Mexican National farm workers at Border Reception Center, El Centro).

Public Health Positions

Fresno County

Director of Public Health Nursing: Salary range, \$6,756-\$8,036. To direct a staff of 32 nurses and supervisors. Based in modern quarters in one of the nation's richest agricultural counties, about halfway between San Francisco and Los Angeles, adjacent to

three national parks, and within a few hours' drive of the Pacific Ocean. Low humidity in the summer and snowfree in the winter. Requires an M.P.H. degree, plus five years of public health nursing, part of which must have been in a supervisory capacity. Write, wire or phone to Edward W. Firby, Director of Personnel, Room 101, Hall of Records, Fresno 21, California. Complete and mail your application before February 1, 1960.

Orange County

Medical Officer: Salary range, \$1,048 to \$1,306. To direct the Infectious Disease Unit of the County Health Department. Requires California Medical License, M.P.H. degree, and experience in infectious diseases. Fifteen days paid vacation, paid sick leave, paid medical insurance, retirement plan. Write: Orange County Personnel Department, 801-C North Broadway, Santa Ana, California.

San Bernardino County

Supervising Public Health Nurse: Salary range, \$460-\$559. In desert area, start \$507. Graduation from school of public health nursing, some formal training in theory and practice of supervision, and at least 2 years experience as PHN required.

Public Health Nurse: Salary range, \$417-\$507. California PHN certificate required.

For either of the above positions apply to County Personnel, Courthouse addition, San Bernardino, California.

San Diego County

Physical Therapist Trainee: Salary range, approximately \$397-\$438. To gain supervised experience by assisting with prescribed therapy for children including those with cerebral palsy who attend a local elementary school under the care of the Crippled Children Services of the county. Applicants must be graduates of a recognized school of physical therapy and be eligible for California registration. County and state residence waived. To determine eligibility for registration write to Board of Medical Examiners, 1021 O Street, Sacramento 14. For position apply to Room 402, Civic Center, San Diego 1.

Epilepsy Project Undertaken By Department

Under a mandate from the 1959 California Legislature, the Bureau of Crippled Children Services of the State Department of Public Health is undertaking a four-year study and pilot program in the field of medical care for children suffering from epilepsy.

The legislative act authorizing the study and pilot project stipulates that the State Department of Education and the State Department of Mental Hygiene shall provide the State Department of Public Health with any information they have pertinent to the objectives of the study.

The purposes of this study are to determine as nearly as possible the incidence of the disease, the caseload among children, services available, services needed, educational services and attitudes, social implications, and estimated costs of full services should the condition be taken on as a fully eligible disease under Crippled Children Services.

In addition to acquiring an analyzing data on the questions involved, the

pilot program will offer limited services in specific areas for the purpose of evaluating needs and costs.

The study is entirely state financed and will involve a study team of five professional persons made up of a medical officer, social worker, public health analyst, public health nurse, and public health educator.

Harry E. Howard, M.D., M.P.H., will join the department staff January 4, as medical officer in charge of the study and pilot program. Dr. Howard is leaving the position of district health officer with the San Francisco Health Department to take charge of the epilepsy project.

Dr. Howard graduated from the University of Michigan School of Medicine in 1948, served his internship at Indianapolis General Hospital and completed his residency in pediatrics in 1952 at the University of Michigan Hospital. He was a pediatrician in private practice in San Rafael, California, from 1954 to 1958.

He obtained his M.P.H. degree at the University of California in 1959 and was certified by the American Board of Pediatrics the same year.

Radiological Health Specialist Joins Department Staff

Simon Kinsman, Ph.D., has joined the staff of the State Department of Public Health on a long-term assignment by the Public Health Service. Dr. Kinsman will be active in the radiological health program established by the 1959 California Legislature.

The five-point program now getting under way covers (1) registration with the department of all sources of ionizing radiation; (2) continuous assessment, in co-operation with other state and local agencies, of the levels of radiation in air, water, food, and other environmental media; (3) study of the hazards associated with the use of medical and industrial X-ray equipment; (4) supervision of radioactive waste disposal; and (5) review and clearance of isotope tracers used in the State.

Dr. Kinsman will participate in each phase of the program, but his special area of responsibility will be the effects on the environment of the use of sources of ionizing radiation. In addition, he will plan and help to conduct radiological health training programs for state and local health department employees.

Dr. Kinsman was chief of the radiological health training program at the

Robert A. Taft Sanitary Engineering Center in Cincinnati from 1950-57. In 1957 he transferred to the PHS Regional office in San Francisco, where he has been radiological health program representative until assuming his present assignment.

Dr. Kinsman graduated from the University of Arizona, received his M.S. degree there in 1932 and his Ph.D. degree from Stanford University in 1938. He taught chemistry at both of these universities, at Long Beach City College and at Arizona State College before being called into active duty with the Army in 1942.

During his Army career, Dr. Kinsman was instructor in the Navy Radiological Defense School in San Francisco, Chief of the Army Radiological Defense School in Edgewood, Maryland, and Radiological Defense Training Officer, European Command.

Immediately after he resigned his Army commission in 1950, he joined the U.S. Public Health Service and established their radiological health training program.

Rehabilitation Nursing Courses

Courses for graduate nurses in rehabilitation nursing are being continued at the Fairmont Hospital, 154000 Foothill Boulevard, San Leandro, California. The next three-week course will be offered April 11 through April 29, 1960 (Mondays through Fridays).

An article by Bernice Klumb, R.N., M.A., in the August 15, 1959, issue of *California's Health* describes the course vividly. For information about content, fees, units, available stipends, etc., write to Continuing Nursing Education, University of California Medical Center, San Francisco 22.

A complete listing of winter and spring courses, workshops, and institutes in California for graduate nurses may be obtained by sending a stamped self-addressed envelope with a request to the California League for Nursing, Inc., 465 Post Street, Room 204, San Francisco 2.

National Foundation Scholarships

A minimum of 515 four-year college scholarships are offered annually by the National Foundation to help students prepare for careers as nurses, occupational therapists, physical therapists, medical social workers, or doc-

tors. Each scholarship pays \$500 a year, or a total of \$2,000.

Scholarships are apportioned geographically according to population. Winners are selected on the basis of academic record, personal qualifications, professional promise and financial need. The sole obligation of health scholarship winners is to have the intention of completing their education and of serving the health field as a member of their chosen profession.

Application forms and full information are being sent to all secondary schools and accredited colleges. Completed application forms must be filed by April 1, 1960.

Traineeships in Mental Health

The University of Minnesota School of Public Health is continuing to offer a three months' program in mental health. It is designed for public health nurses in supervisory and administrative positions and is focused on increased understanding of interpersonal relationships and effective methods of using community mental health resources.

Federal traineeships are now available to nurses enrolled in this short term program. Prospective applicants should write to the University of Minnesota School of Public Health for further information and application forms.

Residents of Ireland rate as the world's biggest eaters, having a daily per capita calorie intake of 3,510. Americans rate sixth (behind Denmark, New Zealand, Switzerland, Australia) with a per capita calorie intake of 3,100 daily.—*AMA News*, November 16, 1959.

Today international health workers can well consider the slogan that it is the physician's responsibility "not only to add years to life but also to add life to years," and they may well remember the definition given by that remarkable woman, Miss Mary E. Switzer, Director of the United States Office of Vocational Rehabilitation, who said, "Rehabilitation is a bridge spanning the gap between uselessness and usefulness, between hopelessness and hopefulness, between despair and happiness." — *Frank H. Krusen, M.D., The Journal Lancet*, Vol. 78, No. 6.

Trachoma Virus Growth Offers New Research Tool

The first isolation of an American trachoma virus has been reported by investigators at the University of California Medical Center in San Francisco, according to a news release from the university.

New techniques for isolating and growing the virus of trachoma are permitting new approaches to eradication of this disease, an oftenblinding eye infection from which an estimated 400 million people now suffer. It is widespread among American Indians and in underdeveloped countries.

Until recently, research on trachoma was hampered by inability to preserve or grow the virus outside the patient. Now, it is hoped, study of various trachoma virus strain will lead to practical vaccines and improved diagnosis; disclose possible relationships between trachoma and other infections; and help explain differences in frequency and severity of the disease in different parts of the world.

Strains of trachoma virus from at least four widely separated parts of the world—China, Saudi Arabia, West Africa, and now the United States—have been cultured in fertilized chicken eggs at several research centers during the past two years and are being studied by scientists at U.C. and elsewhere.

Department laboratory staff are especially interested in these studies since no one has yet prepared a satis-

factory serologic antigen for trachoma, and the problem will be greatly complicated if these strains from various parts of the world prove to differ markedly.

Development of vaccines or antigens will have to wait upon determination of whether these strains of trachoma virus are identical or differ antigenically.

Sanitary Engineering Uses TV For Well Inspection

Closed circuit TV for visual inspection well casings has recently been demonstrated in several areas of California.

Basically the unit consists of a TV camera, a light source, transmission cables, and a TV receiver. After removal from the well of the pump motor, turbine bowls, and discharge pipe, the TV camera, which is less than four inches in diameter and has a 120° angle lens, is lowered into the well. Viewing of the well casing can be either above or below the surface of the water. The light source is a mercury lamp hanging below the camera or underwater. The transmission cable winds and unwinds upon a reel as the TV camera is raised and lowered in the wells. The units have been designed to operate under a maximum of 1,500 feet of water.

The use of this type of closed circuit TV units has many possibilities for inspecting the inside of sewers, waterpipe, or any place where normal access is difficult or impossible.

California Vector Control Workers Serving Many Foreign Assignments

An increasing number of medical entomologists from California are becoming associated with the U. S. Department of State through the International Co-operation Administration in public health programs in the Near East, Far East, Africa, and Latin America.

In addition to those who have completed assignments and returned to this Country, six entomologists from local mosquito abatement districts are now assigned, or are en route to assignments, as follows: Gerald D. Brooks, Iran; Harold W. Brydon, Nepal; Edgar A. Smith, Indonesia; John O. Stivers, Nicaragua; Marius S. Wasbauer, Ethiopia; and G. Edwin Washburn, Liberia. Three medical entomologists and parasitologists of the Bureau of Vector Control staff are currently on leave of absence assigned as follows: Russell E. Fontaine, Ethiopia; Donald H. Green, Brazil; and Ernest G. Meyers, Indonesia. Edmond C. Loomis has left for special training prior to an anticipated assignment in Indonesia. All of these scientists are or will be associated with the malaria control activities program.

The basic purpose of the ICA is in part, " * * * to achieve international peace and security * * * based on the principle of continuous and effective self-help and mutual aid * * *."

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